

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L1    | 1    | "5859669"  | US-PGPUB   | OR               | ON      | 2007/08/01 11:42 |
| L2    | 1    | ("5859669").PN.  | US-PGPUB;<br>USPAT   | OR               | OFF     | 2007/08/01 11:42 |
| L3    | 4    | ("5140611"   "5349585"  <br>"5577071"   "5675355").PN.           | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | ON      | 2007/08/01 12:12 |
| L4    | 3    | "5586204"  | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | ON      | 2007/08/01 12:13 |
| L5    | 1    | "20030043142"  | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | ON      | 2007/08/01 12:14 |
| L6    | 1    | ("6147672").PN.  | US-PGPUB;<br>USPAT   | OR               | OFF     | 2007/08/01 12:35 |
| L7    | 1    | ("20010040548").PN.  | US-PGPUB;<br>USPAT   | OR               | OFF     | 2007/08/01 14:47 |
| L8    | 0    | (data adj transmission) near2 (less<br>near2 direct adj voltage) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/01 14:51 |
| L9    | 4    | (data adj transmission) near2 (<br>direct adj voltage)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/01 14:53 |
| L10   | 0    | (direct adj voltage) near2<br>dataline\$1                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/01 14:55 |
| L11   | 256  | display with (direct adj voltage)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/01 14:55 |

## EAST Search History

|     |      |   |  |    |    |                  |
|-----|------|---|--|----|----|------------------|
| L12 | 35   | 11 and (signal adj voltage)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 14:58 |
| L13 | 3    | (signal adj voltage) near2 ( less<br>near2 direct)      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 15:11 |
| L14 | 976  | (fault\$3 or error\$3) adj<br>transmission with control | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 15:12 |
| L15 | 375  | 14 and (control near2 data)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 15:13 |
| L16 | 118  | 15 and constant   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 15:36 |
| L17 | 3393 | item adj control  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 15:16 |
| L18 | 4    | 14 and 17   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 15:17 |

## EAST Search History

|     |     |  |  |    |    |                  |
|-----|-----|--|--|----|----|------------------|
| L19 | 27  | (direct adj voltage) with (data adj transmission)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 15:51 |
| L20 | 0   | (signal adj voltage) near2 ((less with then) with ( direct voltage))     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 15:53 |
| L21 | 0   | (signal adj voltage) near2 ((less with then) with ( direct adj voltage)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 15:53 |
| L22 | 0   | ( direct adj voltage) near2 (greater near2 (signal adj voltage) )        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 15:54 |
| L23 | 35  | ( direct adj voltage) near2 (signal adj voltage)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 16:00 |
| L24 | 0   | 23 and (data adj transmission)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 15:55 |
| L25 | 274 | (signal adj voltage ) with (direct adj voltage)                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 16:02 |

## EAST Search History

|     |      |   |  |    |     |                  |
|-----|------|---|--|----|-----|------------------|
| L26 | 0    | (signal adj voltage ) Near2 ((less adj than) with (direct adj voltage))         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/01 16:02 |
| L27 | 155  | 25 and less   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/01 16:09 |
| L28 | 6    | (data adj transm\$3) near5 (signal near4 direct)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/01 16:13 |
| L29 | 3853 | (signal adj voltage) with (less or lower)near2 ( direct voltage)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/01 16:14 |
| L30 | 1    | (signal adj voltage) with (less or lower)near2 ( direct adj voltage)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/01 16:15 |
| L31 | 2    | (signal adj voltage) with (less or lower)near2 ( (direct or apply) adj voltage) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/01 16:29 |
| L32 | 5    | (data adj transmission) with (direct adj voltage) and (signal adj voltage)      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/01 19:13 |
| L33 | 1    | ("5689513").PN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/08/01 19:49 |

## EAST Search History

|     |    |   |  |    |     |                  |
|-----|----|---|--|----|-----|------------------|
| L34 | 2  | "20010040548"                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/01 19:51 |
| L35 | 1  | ("6147672").PN.                             | US-PGPUB;<br>USPAT   | OR | OFF | 2007/08/01 19:52 |
| L36 | 1  | ("20030043142").PN.                         | US-PGPUB;<br>USPAT   | OR | OFF | 2007/08/01 19:53 |
| L37 | 1  | ("20010024208").PN.                         | US-PGPUB;<br>USPAT   | OR | OFF | 2007/08/01 19:53 |
| S1  | 1  | 10/518953                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/25 15:18 |
| S2  | 60 | interface near2 (image adj<br>trans\$3)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/25 15:20 |
| S3  | 51 | (data adj line) near2 (clock with<br>pulse) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/25 15:21 |
| S4  | 1  | S3 and (pixel near2 data)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/25 16:10 |
| S5  | 2  | "20060109347"                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/25 16:46 |

## EAST Search History

|     |       |  |  |    |     |                  |
|-----|-------|--|--|----|-----|------------------|
| S6  | 12514 | color near6 (pixel or (RGB) or colour or color) same error | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 16:52 |
| S7  | 1024  | 345/88.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/25 16:48 |
| S8  | 1541  | 345/89.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/25 16:48 |
| S9  | 103   | S7 and S8  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/25 16:49 |
| S10 | 16    | S9 and (345/90.ccls.)                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/25 16:49 |
| S11 | 16    | S9 and S10   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/25 16:49 |
| S12 | 0     | "531939599"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/25 16:58 |
| S13 | 1     | ("5319395").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/25 16:58 |

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|     |    |  |                              |    |     |                  |
|-----|----|--|------------------------------|----|-----|------------------|
| S14 | 1  | ("6249824").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/25 16:59 |
| S15 | 1  | ("5784366").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/25 16:59 |
| S16 | 1  | ("5877742").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/25 17:00 |
| S17 | 1  | ("5303393").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/25 17:00 |
| S18 | 1  | ((WERNER) near2 (KNEE)).INV.   | USPAT                        | OR | ON  | 2007/07/25 17:01 |
| S19 | 10 | ("5228098"   "5319793"  <br>"5353355"   "5392072"  <br>"5585944"   "5686960"  <br>"6280341"   "6433851"  <br>"6669346"   "6990249").PN.                | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/25 17:01 |
| S20 | 2  | ((THOMAS) near2 (SPICHALE)).<br>INV.   | USPAT                        | OR | ON  | 2007/07/25 17:05 |
| S21 | 1  | ((TOBIAS) near2 (STUMBER)).<br>INV.  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/07/25 17:06 |
| S22 | 3  | ((AXEL) near2 (KIRSCHBAUM)).<br>INV.   | US-PGPUB;<br>USPAT           | OR | ON  | 2007/07/25 17:09 |
| S23 | 11 | "5859669"  | US-PGPUB;<br>USPAT           | OR | ON  | 2007/07/25 17:09 |
| S24 | 1  | ("5859669").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/25 17:10 |
| S25 | 4  | ("5140611"   "5349585"  <br>"5577071"   "5675355").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/25 17:13 |
| S26 | 11 | ("4556880"   "4595953"  <br>"4626837"   "4893175"  <br>"5115232"   "5293474"  <br>"5387941"   "5406308"  <br>"5428806"   "5450122"  <br>"5606348").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/25 17:26 |
| S27 | 3  | ("4926166"   "5138305"  <br>"5153574").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/25 17:26 |
| S28 | 5  | ("4210934"   "4342029"  <br>"4581655"   "4591902"  <br>"4642628").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/25 17:47 |
| S29 | 11 | "5859669"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/25 17:49 |

## EAST Search History

|     |      |  |  |    |     |                  |
|-----|------|--|--|----|-----|------------------|
| S30 | 2    | ("5859669").PN.  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2007/07/25 20:48 |
| S31 | 2    | ("5675355").PN.  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2007/07/25 20:53 |
| S32 | 3    | ("2001030649").PN.   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | OFF | 2007/07/25 20:55 |
| S33 | 4    | "2001030649"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/25 20:56 |
| S34 | 0    | S5 and tomoka  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/25 20:57 |
| S35 | 0    | "2001030649"   | US-PGPUB   | OR | ON  | 2007/07/25 20:59 |
| S36 | 69   | 345/213.ccls.  | US-PGPUB   | OR | ON  | 2007/07/25 21:00 |
| S37 | 5773 | correct\$4 near3 pixel   | US-PGPUB   | OR | ON  | 2007/07/25 21:17 |
| S38 | 709  | S37 and (data adj transmit\$4)   | US-PGPUB   | OR | ON  | 2007/07/25 21:02 |
| S39 | 2    | S38 and (check\$4 near2 reference with control)  | US-PGPUB   | OR | ON  | 2007/07/25 21:08 |
| S40 | 2    | S36 and S38  | US-PGPUB   | OR | ON  | 2007/07/25 21:08 |
| S41 | 129  | S37 And(correct\$5 near2 pixel near2 data same(check\$3 near2 referencr or threshold or predetermin\$3)) | US-PGPUB   | OR | ON  | 2007/07/25 21:39 |
| S42 | 0    | S41 and (motor adj vehicle)  | US-PGPUB   | OR | ON  | 2007/07/25 21:40 |
| S43 | 18   | S37 and (motor adj vehicle)  | US-PGPUB   | OR | ON  | 2007/07/26 08:29 |
| S44 | 1    | 10/518953  | US-PGPUB   | OR | ON  | 2007/07/25 21:53 |
| S45 | 1    | "20020190978"  | US-PGPUB   | OR | ON  | 2007/07/26 08:38 |



## EAST Search History

|     |        |  |                              |     |     |                  |
|-----|--------|--|------------------------------|-----|-----|------------------|
| S46 | 1      | ("6061102").PN.  | US-PGPUB;<br>USPAT           | OR  | OFF | 2007/07/26 08:39 |
| S47 | 5      | ("5231481"   "5268775"  <br>"5298985"   "5345262"  <br>"5532764").PN.                                  | US-PGPUB;<br>USPAT;<br>USOCR | OR  | ON  | 2007/07/26 08:50 |
| S48 | 1      | (correct\$4 with (data adj<br>transmission)) Same (checked<br>near2 reference)                         | US-PGPUB;<br>USPAT;<br>USOCR | OR  | ON  | 2007/07/26 08:52 |
| S49 | 4965   | (correct\$4 with (data adj<br>transmission))   | US-PGPUB;<br>USPAT;<br>USOCR | OR  | ON  | 2007/07/26 08:52 |
| S50 | 4613   | S49 and reference  | US-PGPUB;<br>USPAT;<br>USOCR | OR  | ON  | 2007/07/26 08:52 |
| S51 | 2397   | S50 and check  | US-PGPUB;<br>USPAT;<br>USOCR | OR  | ON  | 2007/07/26 08:52 |
| S52 | 2240   | S51 and control  | US-PGPUB;<br>USPAT;<br>USOCR | OR  | ON  | 2007/07/26 08:53 |
| S53 | 31     | S52 and (motor adj vehicle)  | US-PGPUB;<br>USPAT;<br>USOCR | OR  | ON  | 2007/07/26 09:03 |
| S54 | 645150 | (pixel data transmission checked)<br>with (reference or threshold or<br>predetermin\$4)                | US-PGPUB;<br>USPAT;<br>USOCR | OR  | ON  | 2007/07/26 09:05 |
| S55 | 1      | (pixel adj data adj transmission<br>near2 check\$4) with (reference or<br>threshold or predetermin\$4) | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON  | 2007/07/26 09:06 |
| S56 | 1      | (pixel adj data adj transmission<br>near2 check\$4)  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON  | 2007/07/26 09:06 |
| S57 | 846    | ( data adj transmission near2<br>check\$4)   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON  | 2007/07/26 09:06 |
| S58 | 409    | S57 and display  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON  | 2007/07/26 09:07 |
| S59 | 0      | S58 and (coorect\$4)   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON  | 2007/07/26 09:08 |
| S60 | 271    | S58 and (correct\$4)   | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON  | 2007/07/26 09:09 |
| S61 | 8      | S60 and (motor adj vehicle)  | US-PGPUB;<br>USPAT;<br>USOCR | ADJ | ON  | 2007/07/26 11:21 |

## EAST Search History

|     |         |   |  |     |    |                  |
|-----|---------|---|--|-----|----|------------------|
| S62 | 1       | 10/518953   | US-PGPUB;<br>USPAT;<br>USOCR                                     | ADJ | ON | 2007/07/26 12:11 |
| S63 | 8341031 | control\$4  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/07/26 12:17 |
| S64 | 240752  | S63 and pixel   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/07/26 12:18 |
| S65 | 123605  | S64 and detect\$3   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/07/26 12:21 |
| S66 | 593     | S65 and (correct\$4 near2<br>transmission)  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/07/26 12:23 |
| S67 | 10893   | correct\$4 with pixel   | US-PGPUB   | OR  | ON | 2007/07/26 12:31 |
| S68 | 4338    | (data adj transmi\$5) with<br>(reference)   | US-PGPUB   | OR  | ON | 2007/07/26 12:32 |
| S69 | 61      | S67 and S68   | US-PGPUB   | OR  | ON | 2007/07/26 13:07 |
| S70 | 0       | (correct4 near2 (pixel with data<br>with transmi\$5)) With (reference<br>adj voltage) | US-PGPUB   | OR  | ON | 2007/07/26 13:08 |
| S71 | 0       | (correct4 near2 (pixel with data<br>with transmi\$5))                                 | US-PGPUB   | OR  | ON | 2007/07/26 13:08 |
| S72 | 0       | (correct4 near2 (pixel with data<br>with transmi\$5))                                 | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/07/26 13:08 |
| S73 | 0       | (correct4 with (pixel with data<br>with transmi\$5))                                  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR  | ON | 2007/07/26 13:09 |

## EAST Search History

|     |        |   |  |    |    |                  |
|-----|--------|---|--|----|----|------------------|
| S74 | 12115  | (pixel with data with transmi\$5)                 | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26 13:09 |
| S75 | 9058   | (correct\$3) with (reference near4<br>voltage\$1) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26 17:02 |
| S76 | 60     | S74 and S75                                       | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26 13:10 |
| S77 | 0      | S76 and (motor adj vehicle)                       | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26 13:10 |
| S78 | 1      | S76 and ( vehicle)                                | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26 13:21 |
| S79 | 0      | 340/146.1.ccls.                                   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26 13:21 |
| S80 | 460244 | "340"/("146.1").ccls.                             | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26 13:21 |
| S81 | 723    | S75 and S80                                       | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/26 13:22 |

## EAST Search History

|     |    |   |  |    |     |                  |
|-----|----|---|--|----|-----|------------------|
| S82 | 11 | S81 and (data adj packet)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2007/07/26 13:22 |
| S83 | 13 | ("5615344"   "5668698"  <br>"5781780"   "5796239"  <br>"5845217"   "5847546"  <br>"5889385"   "5892431"  <br>"6057670"   "6094033"  <br>"6232675"   "6271643"  <br>"6313608").PN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/26 13:36 |
| S84 | 1  | ("5675355").PN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/26 13:39 |
| S85 | 0  | (10/518953).CCLS.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/26 13:40 |
| S86 | 1  | 10/518953   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/26 14:36 |
| S87 | 12 | "5859669"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/26 14:36 |
| S88 | 1  | ("5859669").PN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/26 15:12 |
| S89 | 2  | "20030043142"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/26 15:13 |
| S90 | 4  | "5586204"   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2007/07/26 17:05 |
| S91 | 5  | ("4614430"   "4698785"  <br>"4750181"   "5050230"  <br>"5463700").PN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/26 17:45 |

## EAST Search History

|          |        |  |                              |    |     |                  |
|----------|--------|--|------------------------------|----|-----|------------------|
| S92      | 258228 | "345"/(98-100).ccls.                                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/26 19:57 |
| S93      | 321    | S75 and S92  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/26 17:48 |
| S94      | 0      | S93 and ((data adj transmission)<br>near2 check\$4)    | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/26 17:47 |
| S95      | 4      | ("6172663"   "6538630"  <br>"6653998"   "6703994").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/26 18:06 |
| S96      | 2      | ("6052074"   "6556176").PN.                            | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/26 19:08 |
| S97      | 1      | 10/518953  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/26 19:15 |
| S98      | 4      | "3970989"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/26 19:38 |
| S99      | 1      | ("5859669").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/26 19:48 |
| S10<br>0 | 1      | ("3970989").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/26 19:48 |
| S10<br>1 | 21     | S92 and ((six adj bit\$s) near2<br>(pixel adj data))   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/26 20:05 |
| S10<br>2 | 102    | (one adj bit) Near2 (control adj<br>data)              | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/26 20:06 |
| S10<br>3 | 0      | S101 and S102  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/26 20:06 |
| S10<br>4 | 14     | S102 and (six adj bit\$1)                              | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/27 21:36 |
| S10<br>5 | 1      | 10/518953  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON  | 2007/07/27 21:37 |
| S10<br>6 | 1      | ("6147612").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/27 21:37 |
| S10<br>7 | 1      | ("6147672").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/27 21:39 |
| S10<br>8 | 1      | ("6894684").PN.  | US-PGPUB;<br>USPAT           | OR | OFF | 2007/07/27 21:41 |

## EAST Search History

|          |         |  |  |    |     |                  |
|----------|---------|--|--|----|-----|------------------|
| S10<br>9 | 1       | 10/385431  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/27 21:51 |
| S11<br>0 | 1       | ("5499269").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/27 21:54 |
| S11<br>1 | 1       | ("6664816").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/27 21:54 |
| S11<br>2 | 4       | ("4931797"   "6064240"  <br>"6229350"   "6448821").PN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/27 21:56 |
| S11<br>3 | 4       | ("4931797"   "6064240"  <br>"6229350"   "6448821").PN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/27 21:58 |
| S11<br>4 | 2       | 10/156963  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/27 22:00 |
| S11<br>5 | 1       | "07038139"   | JPO  | OR | ON  | 2007/07/27 22:03 |
| S11<br>6 | 0       | 10/518953  | JPO  | OR | ON  | 2007/07/27 22:04 |
| S11<br>7 | 1       | 10/518953  | US-PGPUB;<br>USPAT   | OR | ON  | 2007/07/28 17:02 |
| S11<br>8 | 1       | (data adj packet) with (((six adj<br>bit\$1) near2 pixel) and ((one adj<br>bit\$1) near2 control)) | US-PGPUB;<br>USPAT   | OR | ON  | 2007/07/28 17:07 |
| S11<br>9 | 7       | (data adj packet) with ((one adj<br>bit\$1) near2 control)   | US-PGPUB;<br>USPAT   | OR | ON  | 2007/07/28 17:13 |
| S12<br>0 | 4877700 | "7" and ("6" or six adj bit)   | US-PGPUB;<br>USPAT   | OR | ON  | 2007/07/28 17:13 |
| S12<br>1 | 37683   | "7" and (("6" or six) adj bit)   | US-PGPUB;<br>USPAT   | OR | ON  | 2007/07/28 17:14 |
| S12<br>2 | 17      | ((("6" or six) adj pixel) and ((one<br>adj bit) near2 control)                                     | US-PGPUB;<br>USPAT   | OR | ON  | 2007/07/28 18:58 |
| S12<br>3 | 1       | "20030043142"  | US-PGPUB;<br>USPAT   | OR | ON  | 2007/07/28 18:59 |
| S12<br>4 | 1       | ("5675355").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/28 19:03 |
| S12<br>5 | 1       | ("6943760").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/28 19:03 |
| S12<br>6 | 2       | ("6052074"   "6556176").PN.  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/28 19:11 |

## EAST Search History

|          |        |   |                              |    |    |                  |
|----------|--------|---|------------------------------|----|----|------------------|
| S12<br>7 | 18     | "5499269"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/28 19:11 |
| S12<br>8 | 28     | ("3601702"   "3649751"  <br>"3723875"   "3723880"  <br>"3761818"   "3838214"  <br>"3943284"   "4010421"  <br>"4123710"   "4837821"  <br>"5166956"   "5255287"  <br>"5313496"   "5450023"  <br>"5499269"   "5684833"  <br>"5793815"   "5793816"  <br>"5898886"   "5915105"  <br>"5917340"   "5953263"  <br>"5954804"   "5995443"  <br>"6005895"   "6031472"  <br>"6049229"   "6545514").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/28 19:12 |
| S12<br>9 | 50     | ("3821715"   "3969706"  <br>"4183095"   "4247817"  <br>"4315308"   "4445204"  <br>"4449207"   "4519034"  <br>"4571672"   "4586167"  <br>"4595923"   "4646270"  <br>"4649516"   "4675850"  <br>"4680738"   "4683555"  <br>"4719602"   "4734880"  <br>"4757473"   "4788667"  <br>"4803621"   "4821226"  <br>"4845664"   "4860198"  <br>"4882712"   "4916670"  <br>"4928265"   "4933835"  <br>"4951251"   "4953128"  <br>"4954987"   "4954992"  <br>"4970418"   "4975872"  <br>"5016226"   "5018111"  <br>"5021772"   "5077693"  <br>"5083296"   "5107465"  <br>"5140688"   "5206833"  <br>"5226009"   "5301278"  <br>"5361277"   "5361343"  <br>"5390149"   "5745421"  <br>"5787041").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/28 19:12 |
| S13<br>0 | 2      | ("6052074"   "6556176").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/28 19:13 |
| S13<br>1 | 535859 | "28" and counter  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/28 19:23 |
| S13<br>2 | 18     | "5499269"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/07/28 19:45 |

## EAST Search History

|          |    |  |  |    |     |                  |
|----------|----|--|--|----|-----|------------------|
| S13<br>3 | 1  | ("6664816").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/28 19:45 |
| S13<br>4 | 4  | ("4931797"   "6064240"  <br>"6229350"   "6448821").PN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/28 20:12 |
| S13<br>5 | 3  | "5586204"  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/28 21:09 |
| S13<br>6 | 18 | "5499269"  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/28 21:41 |
| S13<br>7 | 1  | ("6147672").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/28 21:58 |
| S13<br>8 | 1  | ("6111892").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/28 22:01 |
| S13<br>9 | 1  | ("6385341").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/28 22:11 |
| S14<br>0 | 1  | ("5499269").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/28 22:57 |
| S14<br>1 | 1  | ("6229513").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/28 22:57 |
| S14<br>2 | 1  | ("4581655").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/30 14:59 |
| S14<br>3 | 1  | ("5499269").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/30 15:08 |
| S14<br>4 | 1  | ("6147672").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/30 15:19 |
| S14<br>5 | 0  | ("6and(counter near2(clockadjpuls)<br>)").PN.          | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/30 15:20 |
| S14<br>6 | 0  | "6" and (counter near2<br>(clockadjpuls))              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 15:21 |
| S14<br>7 | 0  | (counter near2 (clockadjpuls))                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 15:21 |



## EAST Search History

|          |       |                                    |  |    |     |                  |
|----------|-------|------------------------------------|--|----|-----|------------------|
| S14<br>8 | 10849 | counter near2 (clock adj pulse)    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 15:22 |
| S14<br>9 | 196   | S148 and (check\$4 with reference) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 15:26 |
| S15<br>0 | 0     | S149 and ("345"/.clas.)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 15:27 |
| S15<br>1 | 196   | S149 and (clock adj pulse)         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 15:28 |
| S15<br>2 | 99    | S149 and (count near2 clock)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 15:38 |
| S15<br>3 | 12    | "5859669"                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 15:45 |
| S15<br>4 | 26    | "6229513"                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 15:45 |
| S15<br>5 | 1     | ("6229513").PN.                    | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/30 15:52 |

## EAST Search History

|          |        |                                      |  |    |     |                  |
|----------|--------|--------------------------------------|--|----|-----|------------------|
| S15<br>6 | 1      | ("4299388").PN.                      | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/30 15:56 |
| S15<br>7 | 0      | ("(counternear2clock)withpulse").PN. | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/30 15:57 |
| S15<br>8 | 168253 | (counternear2 clock) with pulse      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 15:57 |
| S15<br>9 | 95603  | S158 and change                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 15:58 |
| S16<br>0 | 46267  | S159 and (count\$4 with clock)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 15:59 |
| S16<br>1 | 2223   | S160 and ("345"/.clas.)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 15:59 |
| S16<br>2 | 1811   | S161 and (count\$4 with pulse)       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 16:00 |
| S16<br>3 | 1740   | S162 and control                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 16:01 |

## EAST Search History

|          |        |   |  |    |     |                  |
|----------|--------|---|--|----|-----|------------------|
| S16<br>4 | 268    | S163 and (compar\$5 near2 counter)                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 16:02 |
| S16<br>5 | 3      | S164 and (store\$4 near2 error)                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 16:03 |
| S16<br>6 | 5      | ("3242470"   "3631455"   "3792465"   "4012723").PN.                   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/30 16:11 |
| S16<br>7 | 127    | S164 and (Counter with (clock adj pulse))                             | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/30 16:23 |
| S16<br>8 | 4      | "3970989"   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/30 16:23 |
| S16<br>9 | 2      | S168 and motor  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/30 16:48 |
| S17<br>0 | 1      | ("3921148").PN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/30 16:51 |
| S17<br>1 | 515513 | "340"/("146.1").cccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 16:52 |
| S17<br>2 | 1225   | (color near6 (pixel or (RGB) or colour or color) same error) and S171 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 16:53 |
| S17<br>3 | 374    | S172 and (control\$4 with (pixel wth data with transmission))         | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2007/07/30 16:54 |

## EAST Search History

|          |      |   |  |    |    |                  |
|----------|------|---|--|----|----|------------------|
| S17<br>4 | 22   | S173 and (image near2<br>transmission)  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 16:56 |
| S17<br>5 | 0    | S173 and ((motor adj vehicle) with<br>(image near2 transmission))                                 | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 16:56 |
| S17<br>6 | 4    | S173 and (motor adj vehicle)  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 17:02 |
| S17<br>7 | 0    | (data adj line\$1) with (clock adj<br>pulse) with ((pixel adj data) and<br>(control\$4 adj data)) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 17:04 |
| S17<br>8 | 0    | (line\$1) with (clock adj pulse) with<br>((pixel adj data) and (control\$4<br>adj data))          | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 17:04 |
| S17<br>9 | 4862 | ((pixel adj data) and (control\$4<br>adj data))   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 17:04 |
| S18<br>0 | 378  | ((pixel adj data) with (control\$4<br>adj data))  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 17:05 |
| S18<br>1 | 2144 | S160 and "345"/.clas.   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 17:05 |

## EAST Search History

|          |       |   |  |    |    |                  |
|----------|-------|---|--|----|----|------------------|
| S18<br>2 | 2144  | S160 and ("345"/.clas.)                                       | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 17:05 |
| S18<br>3 | 44    | S180 and ("340"/("146.1").cccls.)                             | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 17:06 |
| S18<br>4 | 0     | S183 and (motor Adj vehicle)                                  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 17:07 |
| S18<br>5 | 6     | S182 and (motor Adj vehicle)                                  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 17:29 |
| S18<br>6 | 25422 | (image ADJ data) with<br>(transmission )                      | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 17:31 |
| S18<br>7 | 145   | S186 and (motor adj vehicle)                                  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 18:31 |
| S18<br>8 | 42    | S187 and (driver near2 display)                               | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 17:33 |
| S18<br>9 | 59    | (interface with image) with (line\$1<br>with clock and pixel) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 18:40 |

## EAST Search History

|          |    |  |  |    |     |                  |
|----------|----|--|--|----|-----|------------------|
| S19<br>0 | 16 | S189 and (motor)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 18:36 |
| S19<br>1 | 1  | S189 and (motor adj vehicle)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 18:36 |
| S19<br>2 | 52 | S187 and warning   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 18:54 |
| S19<br>3 | 51 | 09/057428  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 18:56 |
| S19<br>4 | 26 | (Image near2 transmission) with<br>(motor adj vehicle)               | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 19:05 |
| S19<br>5 | 3  | (motor adj vehicle) near2<br>(transmission near2 check\$4)           | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 19:07 |
| S19<br>6 | 17 | (motor adj vehicle) with (driver<br>adj information) near2 (display) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 19:34 |
| S19<br>7 | 1  | ("4916440").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/30 19:42 |
| S19<br>8 | 1  | ("3970989").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/30 19:45 |
| S19<br>9 | 0  | ("(imageadjdataadjtransmission)wi<br>th(motoradjvehicle)").PN.       | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/30 19:45 |

## EAST Search History

|          |        |  |  |    |     |                  |
|----------|--------|--|--|----|-----|------------------|
| S20<br>0 | 3      | (image adj data adj transmission)<br>with (motor adj vehicle)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 19:48 |
| S20<br>1 | 2      | (image adj data adj transmission)<br>near2 (motor adj vehicle) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 19:49 |
| S20<br>2 | 502286 | (motor adj vehicle)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 19:49 |
| S20<br>3 | 27108  | S202 and display   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 19:49 |
| S20<br>4 | 161    | S203 and (image near2<br>transmission)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 20:56 |
| S20<br>5 | 1      | 10/518953  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/30 21:05 |
| S20<br>6 | 1      | ("6147672").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/30 21:14 |
| S20<br>7 | 1      | ("5499269").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/30 21:23 |

## EAST Search History

|          |      |   |  |    |    |                  |
|----------|------|---|--|----|----|------------------|
| S20<br>8 | 1    | 10/518953   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 21:30 |
| S20<br>9 | 0    | ( faulty near2 transfer near2<br>determined) with ( "no control<br>signal") | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 21:33 |
| S21<br>0 | 2680 | ( "no control signal")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 21:33 |
| S21<br>1 | 778  | S210 and error  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 21:33 |
| S21<br>2 | 650  | S211 and (back up or replace with<br>line\$1)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/30 21:35 |
| S21<br>3 | 17   | S211 and ((back adj up ) or<br>replace with line\$1)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 08:32 |
| S21<br>4 | 3    | "7058729"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 09:26 |



## EAST Search History

|          |         |  |  |    |     |                  |
|----------|---------|--|--|----|-----|------------------|
| S21<br>5 | 8       | (error\$1 near2 determin\$3) with (counter adj value) same (exceed or greater with store\$3 near2 value) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/31 09:49 |
| S21<br>6 | 2       | "20010040548"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/31 12:09 |
| S21<br>7 | 19      | "5499269"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/31 12:15 |
| S21<br>8 | 19      | "5499269"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/31 12:17 |
| S21<br>9 | 1       | ("5499269").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/31 12:50 |
| S22<br>0 | 1       | ("4581655").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/31 13:01 |
| S22<br>1 | 0       | ("(interfacewithimage)").PN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/31 13:01 |
| S22<br>2 | 53081   | (ininterface withi mage)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/31 13:02 |
| S22<br>3 | 6725023 | (ininterface within mage)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/31 13:02 |

## EAST Search History

|          |         |   |  |    |     |                  |
|----------|---------|---|--|----|-----|------------------|
| S22<br>4 | 8193712 | S223 display  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/31 13:02 |
| S22<br>5 | 2       | "20030043142"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/31 13:20 |
| S22<br>6 | 3530    | S223 and (two near2 (data adj<br>line))                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/31 13:21 |
| S22<br>7 | 18202   | (control adj data) and (image adj<br>data)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/31 13:22 |
| S22<br>8 | 132     | S226 and S227   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/31 13:23 |
| S22<br>9 | 109     | S228 and clock  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/31 14:34 |
| S23<br>0 | 1       | ("5499269").PN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/31 14:38 |
| S23<br>1 | 0       | ("(selectednear4pixel)near2(contro<br>lnear2packet)").PN. | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/31 14:40 |

## EAST Search History

|          |       |   |  |    |    |                  |
|----------|-------|---|--|----|----|------------------|
| S23<br>2 | 0     | (selected near4 pixel) near2<br>(control\$4 near2 packet) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 14:40 |
| S23<br>3 | 34934 | (control\$4 near2 packet)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 14:40 |
| S23<br>4 | 451   | (selected adj number) near2 pixel                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 14:42 |
| S23<br>5 | 1     | S233 and S234   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 14:42 |
| S23<br>6 | 25100 | selected near2 pixel                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 14:42 |
| S23<br>7 | 186   | S233 and S236   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 14:54 |
| S23<br>8 | 3     | "20020163488"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 16:50 |

## EAST Search History

|          |     |  |  |    |    |                  |
|----------|-----|--|--|----|----|------------------|
| S23<br>9 | 1   | (packet Near2 (six adj bit\$1) with pixel ) and (one Near2 (control adj data)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 16:59 |
| S24<br>0 | 1   | (packet Near2 (six adj bit\$1) ) and (one Near2 (control adj data))            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 17:00 |
| S24<br>1 | 460 | S227 and (control with (one adj bit))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 17:02 |
| S24<br>2 | 0   | S232 and (pixel with 6bit\$1)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 17:03 |
| S24<br>3 | 0   | S232 and (pixel near2 6bit\$1)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 17:03 |
| S24<br>4 | 0   | S241 and (pixel near2 6bit\$1)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 17:03 |
| S24<br>5 | 6   | S241 and ( pixel near2 ((S219 or six ) adj bit\$1))                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 18:47 |

## EAST Search History

|          |        |  |  |    |     |                  |
|----------|--------|--|--|----|-----|------------------|
| S24<br>6 | 19     | "5499269"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/31 18:49 |
| S24<br>7 | 10     | "4581665"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/07/31 18:49 |
| S24<br>8 | 1      | ("4581665").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/31 18:50 |
| S24<br>9 | 1      | ("4581655").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/31 18:50 |
| S25<br>0 | 3      | ("3838209"   "4210934"  <br>"4343021").PN.   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/31 19:22 |
| S25<br>1 | 18     | "5499269"  | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/07/31 19:22 |
| S25<br>2 | 1      | ("5499269").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/31 19:44 |
| S25<br>3 | 1      | ("7058729").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/31 20:36 |
| S25<br>4 | 1      | ("5499269").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/31 20:38 |
| S25<br>5 | 0      | ("(errornear2(detect\$4ormeasur\$3<br>ordetermin\$3))with(counternear2e<br>xceed\$1orHigh)").PN. | US-PGPUB;<br>USPAT   | OR | OFF | 2007/07/31 20:40 |
| S25<br>6 | 236204 | (error near2 (detect\$4 or<br>measur\$3 or determin\$3))   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2007/07/31 20:43 |
| S25<br>7 | 5532   | "43" and (counter near2<br>(exceed\$1 or High))  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB           | OR | ON  | 2007/07/31 20:45 |

## EAST Search History

|          |        |   |  |    |    |                  |
|----------|--------|---|--|----|----|------------------|
| S25<br>8 | 142    | S257 and (error with counter<br>near2 exceed)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 20:57 |
| S25<br>9 | 4880   | S257 and (exceed\$1 near2 stor\$4<br>value)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 20:58 |
| S26<br>0 | 141    | S258 and (exceed\$1 near2 stor\$4<br>value)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 20:58 |
| S26<br>1 | 141    | S258 and (exceed\$1 near2 stor\$4<br>value)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 08:16 |
| S26<br>2 | 9      | S261 and pixel\$1   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/31 20:59 |
| S26<br>3 | 14     | (Switch\$3 or shift\$3 or chang\$4)<br>Near2 (data adj transm\$6) near2<br>(backup or replace or put) | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 08:54 |
| S26<br>4 | 762004 | "14" and error  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 08:19 |
| S26<br>5 | 3      | S263 and error  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 08:20 |

## EAST Search History

|          |      |  |  |    |    |                  |
|----------|------|--|--|----|----|------------------|
| S26<br>6 | 7780 | Display with (data adj<br>transmission)  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 08:55 |
| S26<br>7 | 409  | S266 and (backup)  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 08:55 |
| S26<br>8 | 0    | S267 and (((change or switch)<br>near2 backup) near2 (error or<br>fault\$3))   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 08:57 |
| S26<br>9 | 6    | S267 and ((change or switch)<br>near2 backup)  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 09:02 |
| S27<br>0 | 46   | S267 and (error or fault)  | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 09:15 |
| S27<br>1 | 1    | (backup adj line) near2 ((detect\$4<br>or measur\$4) near2 error\$4)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 09:17 |
| S27<br>2 | 2    | ((backup adj line) near2 error\$4)   | US-PGPUB;<br>USPAT;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/01 09:17 |
| S27<br>3 | 12   | ("4998252"   "5699365"  <br>"5737337"   "5923642"  <br>"6118825"   "6278716"  <br>"6347075"   "6477669"  <br>"6480976"   "6683855"  <br>"6700875"   "6868520").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                     | OR | ON | 2007/08/01 09:18 |

## EAST Search History

|          |      |  |                              |    |    |                  |
|----------|------|--|------------------------------|----|----|------------------|
| S27<br>4 | 0    | (switch\$4 near5 backup) with pixel<br>and error | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/08/01 09:20 |
| S27<br>5 | 4638 | (switch\$4 near5 backup)                         | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/08/01 09:20 |
| S27<br>6 | 2946 | S275 and ((chnage or switch)<br>near4 backup)    | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/08/01 09:21 |
| S27<br>7 | 14   | S276 and ("345"/.clas.)                          | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/08/01 09:22 |